



Sow Solutions



	PRODUCTS		Baseline	Elanco Evosure	Elanco FeedAID	Elanco Increxxa: diskeharyvis Agledad	Elanco Parvo Shield.	Pili Shield. +c
	KEY ATTRIBUTES		Restore. Optimize. Respond.	Empower. Strengthen. Fortify.	Resolve. Preserve. Quality.	Proven. Rapid.† Backed.	Smooth. Tested. Protection.	Safe. Tested. Piglet benefit.
	ACTIVE INGREDIENT		yeast, dried Bacillus subtilis	yeast extract	sodium metabisulfite, bentonite, mineral oil	tulathromycin	killed virus	killed virus
	PAGE NUMBER	-	4	5	6	7	8	9
	PATHOGEN	INDICATION						
	Actinobacillus	Control				ē		
	pleuropneumoniae (APP)	Treat				å		
щ	_	Control				ē		
ICTIV	Pasteurella multocida	Treat				Ö		
JOO	Glaesserella parasuis (Haemophilus parasuis)	Control						
REPF		Treat				å		
ND DD	Bordetella bronchiseptica	Control						
RESPIRATORY AND REPRODUCTIVE		Treat				å		
(ATO	Mycoplasma hyopneumoniae (M. hyo)	Control				å		
SPIF		Treat				ä		
ä	Porcine reproductive and respiratory syndrome virus (PRRSv)	Control						
		Treat						
	Parvovirus	Control					1	
	Clostridium perfringens Type C	Control						A BAR
ENTERIC	Escherichia coli (E. coli)	Control		ē				4 443
ENT	Swine Dysentery (SD)	Treat						
	lleitis	Control						
	Immune Support							
	Inflammation		Ī	Ī				
	Oxidative stress							
	Anti-caking agent				Ī			
	DOSAGE MEAT WITHDRAWAL (days)		0.5-1.0 lb / ton	1-2 lbs / ton	1-8 lbs / ton	1 mL / 88 lbs	5 mL intramuscularly	2 mL intramuscularly
						5	21	21

Prevacent.	Proteck	Elenco Rhini Shield.	Elenco Pulmotil.	Elenco Pulmotil'AC Interiorating scaughoure	Elonco Swine Awake	Elonco Tylan Injection (sylosile injection)	Elanco Tylan Soluble oversis recess
Safe. Smooth. Effective.	Stregthen. Defend. Support.	Effective. Prevention. Piglet benefit.	Quick. Flexible. Effective.	Quick. Effective. Easy.	Awaken. Support. Improve.	Effective. Multi-disease. Control.	Quick. Easy. Effective.
MLV	bentonite	killed virus	tilmicosin	tilmicosin phosphate	dried Bacillus licheniformis, dried Lactobacillus casei fermentation product and citric acid	tylosin	tylosin tartrate
10-11	12	13	14	15	16-17	18	19
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1 mL intramuscularly	0.5-10 Ibs / ton	Sows: 5 mL Piglets: 1 mL	181-363 g / ton	200 mg / liter	1 pk / day / 1,200 pigs	1 mL / 12.5 lbs (50 mg) 1 mL / 25 lbs (100 mg)	250 mg / gal
21		21	7	7		14	2

Feed Additive 🖒 Water Additive 🖨 Injectable 🏷 Vaccine 🆓 Mucosal Vaccine

[†]Clinical relevance unknown [‡]Swine Awake is not intended to treat SRD or PRRS [△]Only for *M. hyo* in the presence of PRRS

Elanco **Baseline**

SET YOUR BASELINE[™]

Baseline[™] supports the ability of sows and pigs to better manage inflammation that can lead to high sow, pre-wean and wean-to-finish mortality, high wean-to-estrus intervals

and higher variability in production.¹

Baseline is a feed ingredient that acts as a tool to help sows and pigs to handle inflammation. Inflammatory responses are identified by a biomarker discovered by Elanco. By utilizing this biomarker, diagnosticians can predict stress responses in herds that affect livability and performance.

Understanding the potential cost of inflammation in production systems by utilizing the inflammation biomarker, and including Baseline in the diet, can improve wean weights of piglets, improving economic return.¹

Elanco **Baseline**™

For Use in Swine Feeds only For Further Manufacture of Feed

55.12 lb

Elanco

Evosure

SUPPORT THE SOW

RESPOND

OPTIMIZE.

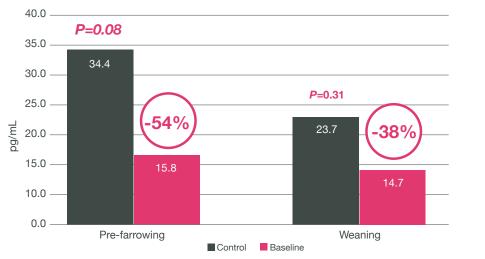
ESTORE.

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Lactation Immune Response² Baseline-fed sows had lower IFNy levels and were less affected by existing stress. Pre-farrowing sow IFNy inversely correlates with pig birth weight (P=0.01), suggesting sows with less inflammation may produce heavier piglets at birth.

Pre-weaning mortality decrease (P<0.05)

Piglet birth weight increase by 0.05 lb (P<0.01)



Elanco **Guaranteed Analysis** Ingredients

Storage Manufactured for

Evosure[™] is a novel yeast ingredient in pig diets that can balance microflora in the gut, increasing protein retention toward building muscle. Data shows that nursery pigs demonstrated higher average daily gain (ADG) and feed conversion over those on a control diet.¹ Additional trials show introducing Evosure to *E. coli*-infected pigs results in maintaining similar ADG as in non-infected pigs.²

Introducing Evosure early in gestation and continuing to feed through lactation and until a subsequent farrowing resulted in piglets with higher birth weight in both farrowings, compared to those from control sows.³ Additionally, piglets demonstrated a higher rate of pre-wean survivability and pre-wean weight gain.⁴

Feeding Evosure to gestating sows resulted in piglets demonstrating markers of increased immunity, in the form of increased levels of immunoglobulin and reduced proinflammatory cytokines in that offspring, compared to those from sows not fed Evosure, as well as resulting in lower pre-weaning mortality rates.⁴

¹Song R, Purser KW, Musser RE, Hagen CD. Effects of feeding increasing levels of a proprietary yeast blend on growth performance of commercial nursery pigs. Journal of Animal Science. Vol 92 Suppl 2, 157-158. ²Elanco Animal Health. Data on File. ³Song R, Purser KW, Musser RE, Hagen CD. Effects of feeding increasing levels of a proprietary yeast blend on sow reproductive performance over a two-parity period, Journal of Animal Science, Vol 93 Suppl 2, 122, ⁴Elanco Animal Health, Data on File

SURE UP YOUR PRE-WEAN VIABILITY



EMPOWER. STRENGTHEN. FORTIFY



PRESERVE FEED QUALITY

NO AND AND ADD ADD ADD

Elanco[®] **FeedAID**[™]

For Use in Swine Feeds only **For Further Manufacture** of Feed For use as a preservative and an anti-caking agent

55.12 LB

Feeding Rate

Elanco^w **Increxxa**^{¬¬} (tulathromycin injection)

Balance whole herd health with individual pig solutions. Combat swine respiratory disease (SRD) with Increxxa[™]'s industry-proven molecule, tulathromycin.

A balance of speed and persistence.* By quickly targeting and rapidly circulating at the site of infection, with its long half-life, Increxxa controls SRD early in the disease process, providing pigs more time to mount an effective SRD defense.^{1,2}

Controlling disease challenges requires a balanced approach to management practices, biosecurity and herd health choices. Elanco's SRD portfolio – supported by our industry-leading technical team and unwavering quality assurance – offers you even more choices to find the right solution for your challenge.

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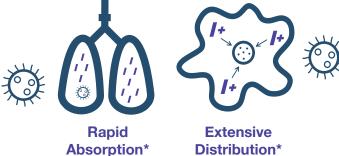
3

FeedAID[™] preserves and prevents caking in swine feed, reducing lumps and the occurrence of fungal metabolites, which can maintain feed quality and feeding efficiency.

FeedAID is a unique blend of sodium metabisulfite (SMB) and a specifically selected clay that mitigates a wider range of feed mycotoxins.

Resolve poor flowing, feed variations, batching size and other feed issues that impact mill management and, ultimately, animal productivity.

TULATHROMYCIN MODE OF ACTION



*Clinical relevance unknowr

3

Villarino et al. Understanding the pharmacokinetics of tulathromycin: a pulmonary perspective. J Vet Pharmacol Ther. 2014;37(3):211–21. ²O'Connor AM, Toon SC and Shane D. A systematic review and network meta-analysis of injectable antibiotic treatment options for naturally occurring swine respiratory disease. J Swine Health Prod. 2019;27(3): 133-49

FIND YOUR BALANCE



Slow

Elimination*

Prolonged

Concentration*

Elanco Parvo Shield. L5E

SMOOTH, TESTED, REPRODUCTIVE PROTECTION



SAFE, TESTED, NEONATAL DIARRHEA VACCINE

Consistent conception and farrowing rates for large litters can be impacted by disease challenges in prebreeding. Parvo Shield[®] L5E provides protection against parvovirus, five leptospirosis strains and erysipelas to protect against reproductive loss.

Vaccinate gilts with a first dose 4 to 6 weeks prior to breeding, as parvovirus antibodies may last for at least 5 months.¹ Parvo Shield is safe for gilts and sows, as well as boars.

In a comparative trial, gilts administered Parvo Shield had a significantly lower febrile response than gilts administered FarrowSure® Plus, while also having numerically less incidence of inappetance and severe site reactions.²

Parvovirus Vaccine Killed Virus Erysipelothrix Rhusiopathiae-Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-10 Doses 250 mL **Pomona Bacterin** For Use In Animals Only Parvo Shield[™] L5E

Escherichia coli (E. coli) possess fimbriae, or pili, that allow them to adhere and colonize in digestive tracts, often resulting in diarrhea, dehydration and acidosis in young and nursing pigs.¹ Protecting piglets with Porcine Pili Shield[®] + C at birth through passed maternal antibodies prevents attachment of E. coli to gut walls.

Vaccinating sows and gilts prior to farrowing provides antibodies against four of the most common enterotoxigenic E. coli strains in swine: K88, K99, 987P and F41.

+ C

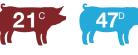
With added *Clostridium perfringens* Type C protection, Pili Shield has proven effective as a broad-spectrum bacterin.

COMPARISON OF PARVO SHIELD AND FARROWSURE¹ (PARITY=0)



Fever (%) A: 0/24; B: 5/19; P=0.0121

profile of two parvovirus erysipelas leptospira (PEL) vaccines - a safety study. 2006;217.



Loss of Appetite (%) C: 5/24; D: 9/19; P=0.1021



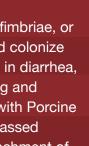
Severe Site Reactions (%) E: 0/24: F: 2/19: P=0.5751

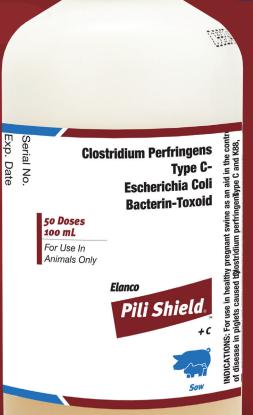
PILI SHIELD CHALLENGE TRIAL²

I	PERCENT MORTALITY					
K99	K88	987P	F41			
49%	62 %	57%	33%			
0%	0%	14%	9%			

Parvo Shield FarrowSure







AVG. DAILY WEIGHT GAIN

K99	K88	987P	F41
+0.12	-0.07	-0.04	+0.15
+0.43	+0.33	+0.26	+0.25

Pili Shield vaccinates

Q

Elanco **Prevacent** PRRS

PRRS CONTROL FROM THE START

Porcine reproductive and respiratory syndrome virus (PRRSv) increases mortality and reduces growth performance of wean-to-finish pigs. Prevacent® has proven effective against the respiratory form of PRRS in healthy pigs at least 2 weeks of age or older.

Prevacent is a safe and effective vaccine that does not cause a reduction in growth performance as a result of vaccination, ensuring a strong start for just-weaned piglets.^{1,2,3,4}

With at least 26 weeks of demonstrated duration of immunity, a single 1 mL Prevacent dose is a safe and effective solution to get Full Value from the start.^{5,6}

Porcine Reproductive & Respiratory Syndrome Vaccine, **Reproductive & Respiratory Form,** dified Live Virus 100 Doses 100 mL For Use In Animals Only

Porcine Reproductive & Respiratory Syndrome Vaccine, Reproductive & Resniratory Form, Live Virus 250 Doses 250 mL

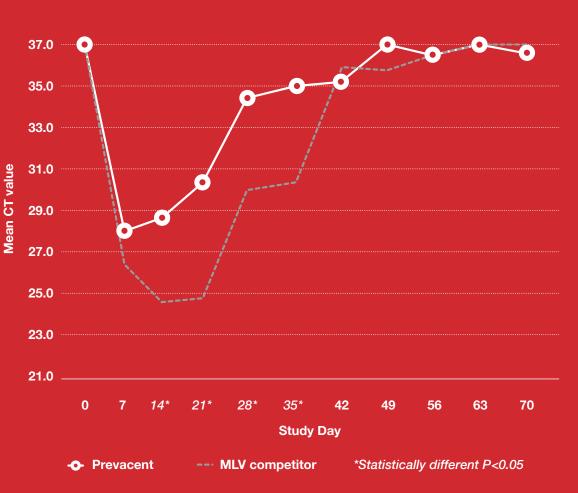
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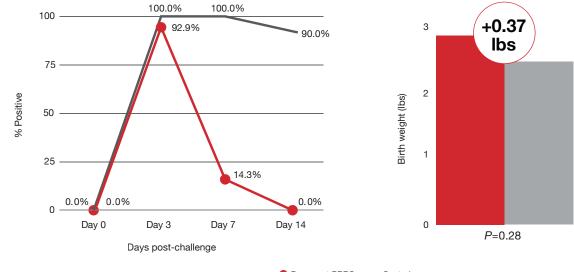
Control

Prevacent

VIREMIA IN VACCINATED PIGS⁷



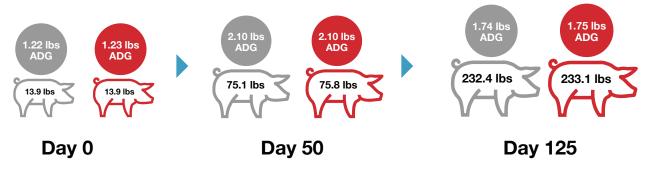
VIREMIA TOTAL POSITIVE8



¹Elanco Animal Health. Data on File. ²Elanco Animal Health. Data on File. ³Elanco Animal Health. Data on File. ⁴Yeske PE, Betlach A, Evelsizer RW, et al. Evaluation of shedding and effect on pig performance of Prevacent PRRS vaccine in commercial conditions. AASV Annual Meeting. 2021:203. ⁵Elanco Animal Health. Data on File. ⁶Elanco Animal Health. Data on File. ⁷Elanco Animal Health. Data on File. ⁸Elanco Animal Health. Data on File.

GROWTH PERFORMANCE IN PREVACENT®-VACCINATED PIGS VS. CONTROLS⁴

In a commercial study, Prevacent-vaccinated pigs showed no reduction in growth performance or difference in body weight at day 50 or day 125.



There was no detected aerosol shed in the first 28 days of vaccination.

Prevacent caused less viremia than an MLV competitor on days 14 to 35 post-vaccination.

PIGLET BIRTH WEIGHT⁸

Prevacent PRRS — Control

Elanco **Proteck**

SUPPORT SOW PRODUCTIVITY

Oxidative stress can lead to poor embryo survival in sows. Proteck[™] reduces oxidative stress in swine, which results in better balance of free radicals and

Fed to sows, Proteck can boost the diversity of beneficial bacteria in the gut microbiota,¹ which can sustain anti-oxidative defenses in the presence of oxidative stress. Reducing oxidative stress can promote embryo survivability and number of weaned piglets per sow per year (PSY).²

In recent sow studies, improvements in born alive, litter birth weights and number of piglets weaned were observed. Fecal samples collected at the end of gestation indicated the main species of beneficial bacteria at significantly higher levels.^{3,4}



STUDY RESULTS¹

SUPPORT.

DEFEND.

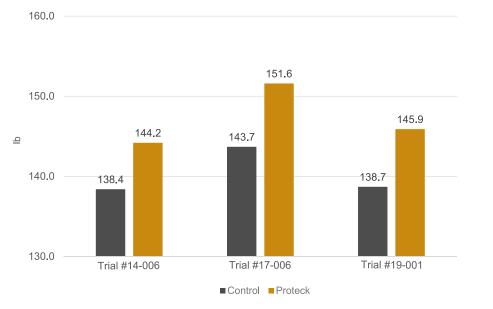
STRENGTHEN.

12

Three long-term sow studies utilizing a total of 595 sows evaluated Proteck (4.0 lbs/ton complete feed) vs. control.



LITTER WEANING WEIGHT



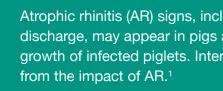


Elanco

Rhini Shield.

TX4

Passed colostral immunity from vaccinated or immune sows provides their piglets with some immunity against the agents that cause AR.¹ Vaccination may also provide an effective solution.



EFFECTIVE ATROPHIC RHINITIS CONTROL



Atrophic rhinitis (AR) signs, including sneezing, snorting and nasal discharge, may appear in pigs as young as one week of age. AR reduces growth of infected piglets. Intervention early in a pig's life protects them

Secondary respiratory infections have been linked to AR, opening opportunity for further health distress in weaned pigs.¹

EFFECTIVE. PREVENTION. PIGLET BENEFIT.

Elanco **Pulmotil**

FLEXIBLE SRD CONTROL, NO INJECTIONS

Elanco Pulmotil[®] AC tilmicosin phosphate

PRRS-INDUCED SRD CONTROL FROM THE START

Pulmotil[®] sets a foundation for health management by controlling swine respiratory disease (SRD) associated with Actinobacillus pleuropneumoniae and Pasteurella multocida. Feeding Pulmotil for the duration of lactation (21 days) to control respiratory disease in lactating sows decreases mortality in the farrowing and nursery phase.¹

Its unique mode of action delivers the active ingredient rapidly to the site of infection, and works with the immune system concentrating at high levels throughout the respiratory tract to help pigs fight off respiratory pathogens.^{2,3}

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Elan	CO	AF0472	
		For Use in	Swine and Cattle Feeds Only
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tilm	nicosii	n	ТМ
V	10031		Net Weight:
			10 kg (22.0 lb)
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rot lead undituted.	ated Article	9	CAUTION: Do not allow honses or other equines access to feeds containing timicosin. The safety of territory of the established is called on make series intervide for brending purposes.
bearing or containing this watering to	o use under the professional super	vision of a licensed veterinarian. Animal o animals only by or upon a lewful the veterinarian's professional practice. Ib (200 g per kg)	escalarity of catalo of mail server reserved to the every public public of the server
he Drug Ingredient: Timicosin (and	y feed directive drug shall be fed to insed veterinarian in the course of s timicosin phosphate) 90.7 g per	o animals only by or upon a lawful the veterinarian's professional practice.	both food safety and responsible use in cattle, the treatment of cattle with this inecclasmic constraint and be initiated within the first 46 days of the production period. The treatment advalation occurs and accurstication following administration of an interchaine macrolitics or within 3 days tolowing administration of a remembration
Ingredient: Timicosin (an Ingredienta: Ground comoobs. Ingredienta: Pulmosen in a familie	e emiscosin prospriate) 90.7 g per	ib (200 g per kg)	Injectable BRD therapy. Swine: Feed containing tilmicosin shall not be fed to pigs for more than 21 days during each phase of
Imcosin adsorbed onto ground con	n of the antibiotic tilmicosin. Tilmic Each kilognam of Type A Medicate recobe.	osin is produced semi-synthetically and d Article contains 200 grams (0.44 lbs)	Select Fixed containing teleficiant induit rob teleficia for income tena 21 days during stort phase production without colonging determination for investability of contentionable and a scream a many store re-indicating a further content of Therapy with an appropriate artitritrobal. Velancing Yead Days (70 a expected) and the scream and income QB days from the fixed in dataset. Other teleficiant propriate and appropriate teleficiantic and therapy with an appropriate artitritrobal. Velancing Yead Days (70 a expected) and the scream and income QB days from the fixed indications (70 bet teleficiantic propriate and propriate teleficiantic and teleficiantic and teleficiantic and teleficiantic and teleficiantic and propriate teleficiantic and teleficiantic and propriate teleficiantic and teleficiantic and teleficiantic and propriate teleficiantic and propria
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Seen disgnosed in at least 10% of	Mory disease (BRD) associated w asmni in groups of beef and non-la the animals is in	ith Mannheimia haemolytica, sclating dairy cattle, where active BRD	
ing Directions; is: Timicosin is to be fed continuo issted feed as	usiver sea		RESIDUE WARNING: Swine: Swine Intended for human consumption must not be staughtered
ase outbreak,	21-day period, beginning approxi-	Ith Actinobacillus pleuropneumoniae Hth Mannhainnia haemolysica, citating dairy cattle, where active BRD r ton (200 ppm to 400 ppm) of type C rately 7 days before an anticipated reter to 727 revense (804 ones before seen)	WJMMNGBI RESIDUET WARMINGES: Select Solid and be have a consumption must not be sampling RESIDUET WARMING. Cettle: Cattle instructed for human consumption must not be assigned webbils along of the last streaming inter this as and policity and the last selection and of the last streaming of the last streamin
on of Type C medicated feed as the	ly for a single, 14 day period at 568 g	retely 7 days before an anticipated prams to 757 grams (626 ppm to 634 ppm) microsin/kg/head/day.	within 28 days of the last treatment with this drug prodUK. This drug product is not approach of the only product is not approach approximate treatment be cetter may cause drug residues in milk. This drug product is not approached to deline incessio il be processed for usual. A intributional product here multi-bener instructions in our norm, depending approached to deline approached to deline the second to deline the second to deline the deline treatment approaches and the deline treatment app
O Directions:	y to a single, 14 day period at 508 (e sole ration to provide 12.5 mg til Nxed in swine or cattle feeds be	micosit/kg/head/day. Hore use.	be processed for year. A withdrawal period has not been established in pre-running calves
ncorporation into Swine Feeds	Thoroughly mix Pulmotil Type A to 30,300 grams tilmicosin per tor g tilmicosin per ton. Do not use in cy of tilmicos	and set of the set of	To proceed for wait. An include part allocation are not been restantianed in pro-instantiane on these facility instantianes and includes and includes and includes and an end of the company of the and including instantial to should be present on charging any pro-processing and the should be an end of the should be an end of the should be an end of the company. The should be an end of the should be an end of the charge of the should be an end of the should be an end of the charge of the should be an end of the should be an end of the charge of the should be an end of the should be an end of the charge of the should be an end of the should be an end of the charge of the should be an end of the should be an end of the charge of the should be a
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Starting concentration of	ny or terriloosin.		effects in users, to obtain more information, or to obtain a Material Safety Data Sheet, call 1-800-late sector Cliested Pharmacretener: Crail design of Enricosis phosphate to swine at 181 to 363 g/ton of lead results in
Starting concentration of Pulmotil 90 Type A Medicated Article*	Medicated Article	Resulting concentration in Type B Medicated	tables in any, is also more informating with tables in Materia Tables (Materia Tables (Materia) Chicker A Researching (Ca) dation of theorem particular bars in all 15-35 (Sa) and the all materials tables and tables (Materia) and tables (Materia) and tables (Materia) and tables (Materia) tables (Materia) and tables (Materia) and tables (Materia) and tables (Materia) tables (Materia) and tables (Materia) and tables (Materia) and tables (Materia) tables (Materia) and tables (Materia) and tables (Materia) and tables (Materia) tables (Materia) and tables (Materia) and tables (Materia) and tables (Materia) tables (Materia) and tables (Materia) and tables (Materia) and tables (Materia) tables (Materia) and tables (Mate
grams per pound	to add per ton pounds	Orams orama	odnoextration of tilmicosin in respiratory tissues, phagocytic cells, and nasal secretories was regranted by a 00% than that of plasma or serum. Lung levels are achieved within 2 days after beginning feeding and plasma by a 00%
90.7	400	35,300 18.1	Our gin visio incursions receiving the ratio of intracemant to extracemant or and 17, respectively, wher four neutrophils, monocyte-macrophages and alveotar macrophages were 60, 19 and 17, respectively, where four beaution of incurstone. Although lawer levels of any macrophages instruction, swime biveolar macrophages and the second s
	300 200	27,200 13.6	have been shown in-vitro and in-vivo to concentrate large amounts of timicosin; these cells may be important to the viso distribution of the data and may serve as an important reserved for timicosin in tung tissue.
Starting concentration of Pulmotil 90 Type A Medicated Article*			If Hard biblindbox of the doug land may serve as all migroritum feedbox to be announcement of the server and th
Medicated Article*	Amount of Type A Medicated Article to add per ton	Resulting concentration in Type C Medicated Feed	treatment administration. The relationship of serum timicosin concentration to lung timicosin concentration has not been determined induced on a determined determined in concentration to lung timicosin concentration has
grams per pound	pounds	grams per ton	Textoplogy: The cardiovescular system is the target of toxicity is laboratory and domestic animals given textoplogic for an analysis of the cardiovescular system is the target of toxicity in laboratory and domestic animals given
90.7	4	363 272	decreased contractility (negative inctropy), Given orally, the modan latital dose is 800 mg/kg in tablet and and 2540 mohini in motivation inctropy). Given orally, the modan latital dose is 800 mg/kg in tablet and and 2540 mohini in motivation and incomposited access were fixed at mocoppy. Result, appendix
totil 90 contains 90.7 g tilmicor	2 sin phosphate per pound	181	toxicology studies were all negative. Results of teratology and reproduction studies in rats were all negative. Results of teratology and reproduction studies in rats were all negative. The no effect level in doos after daily ceal drives by units one ware is 4 money and is 4 money and state.
Corporation Into Cattle Feeds:	Thoroughly mix Pulmotil Type A r	nedicated article with feed to provide	Included in the diet of 18 adult horses for a period of 14 days at does levels of 400, 1200 and 2000 and 2000 and horses at both the low and high does levels demonstrated pasticiritestical days a substantiation of called
alled feed containing up alled feed containing 568 to 757 g eted. Do not use in any feeds con leed meal, or cottonseed india in	Thoroughly mix Pulmotil Type A r to 36,300 grams timicosin per tas filmicosin per ton. Complete Type taking bentonite, octorised me feeds may affect the efficacy of th	n or to provide a complete Type C a C medicated feeds should not al, or cottonseed hulls. Bentosite, tericoste	The Electric of the distribution of the distri
	Amount of Tune A	Resulting concentration	tore ammain the 12.5 mGVb dx 2 days treatment goods, the amay significant as no 00% and by timicosin injection treatment group) were not considered clinically significant as no 00% and seen and the affected animals were clinically normal.
Pulmotil 90 Type A Medicated Article*	Amount of Type A Medicated Article to add per ton	Resulting concentration in Type B Medicated	seen nor tra directed annas were clinically comis. To report altere effects, access media information or desan adattorie prosteri information, all 1 advi- tionge information: Blore all tess than or equal to 25°C (77°F). Excusions to 40°C (10+°F) are suboligable. Information: Blore all tess than or equal to 25°C (77°F). Excusions to 40°C (10+°F) are suboligable. Information: a sub- are sub-
grams per pound	pounds	Feed grams	Storage Information: Store at less than or equal to 2010 (77.77) exceeded to a final accessive moisture.
1	400	per ton per pound 36,300 18.1	Not to be used after the data printed on the bits, Prestricted Orug (Editoria) - Use Drity as Directed NADA # 14 - 064, Approved by FDA
90.7	200	18,100 9.1 9,070 4.5	
farting concentration of	Amount of Type A Medicated Article		House A rest of Concerning of the Concerning Instance (Instance) Manufacture (Instance) M
Pumoti 90 Type A Medicated Article*	Medicated Article to add per ton	Resulting concentration In Type C Medicated Feed	
grams per pound	pounds	grams per ton	BQ5145DEAM8 (V07-08-2011)

Pulmotil[®] AC quickly and effectively controls swine respiratory disease (SRD) associated with Mycoplasma hyopneumoniae (M. hyo) in the presence of porcine reproductive and respiratory syndrome virus (PRRSv) without the need to formulate new rations, or invest the additional time and labor associated with individual pig injections.

PRRS impairs natural disease-fighting macrophages, increasing susceptibility to other bacteria. Pulmotil's unique mode of action concentrates in pulmonary macrophages, slowing the effectiveness of the PRRSv replication process and killing bacteria associated with SRD.^{1, 2}

Pulmotil AC is the only FDA-approved aqueous concentrate that controls SRD associated with M. hyo in the presence of PRRSv, in groups of swine in buildings where a respiratory disease outbreak is diagnosed.

14

ESTIMATED LOSS FROM RESPIRATORY **DISEASE**⁴

NORMAL LUNG

Effected / Severity: 1-10% **ADG Reduction:** 3%

PNEUMONIA

Effected / Severity: 21-30% **ADG Reduction:** 15%

SEVERE PNEUMONIA Effected / Severity: 41-50% **ADG Reduction:** 24%



EFFECTIVENESS IN PRRSv AND M. HYO **CO-INFECTION³**

Co-infections with PRRSv and secondary bacterial pathogens exacerbate SRD outbreaks.

Lung lesion percentage results, following 5-day Pulmotil AC treatment.

¹Blais L, and S Chamberland. 1994. Intracellular accumulation of tilmicosin in primary swine alveolar macrophages. IPVS Congress. ²Rossow, K.D. 1998. South Dakota State University. Porcine reproductive and respiratory syndrome. The American College of Veterinary Pathologists 35: 1-20. ³Freedom of Information Summary. 2014. NADA 141-361.

¹Blais L, and S Chamberland. 1994. Intracellular accumulation of tilmicosin in primary swine alveolar macrophages. IPVS Congress. ²Data on file. Elanco Animal Health. ³Keenliside, J. 2005. Preventing carcass losses. The Pig Site. Retrieved from: https://thepigsite.com/articles/preventing-carcass-losses. Accessed Sept 20, 2019. 4Almond, G., Eads, K. and Keffaber, K. 2006. "Assessment of the Therapeutic Effect of Tilmicosin in Lactation Feed." Proc. 19th IPVS Congress: 523.



Control

43.04%

Pulmotil AC 31.74%

TREATMENT GROUP Co-infection (*M. hyo* + PRRSv)

P=0.0004

QUICK. EFFECTIVE. EASY.



AWAKEN IMMUNITY WITH SWINE AWAKE™

Swine Awake[™] contributes to the awakening of a non-specific response of the immune system in pigs vulnerable to the porcine reproductive and respiratory syndrome virus (PRRSv), a highly contagious disease that can cause reproductive impairment in breeding swine and respiratory illness in pigs of any age.1



A non-antibiotic solution applied through water, Swine Awake awakens a cell-mediated immune response, preparing a pig's immune system to face viral challenges.^{2,3}

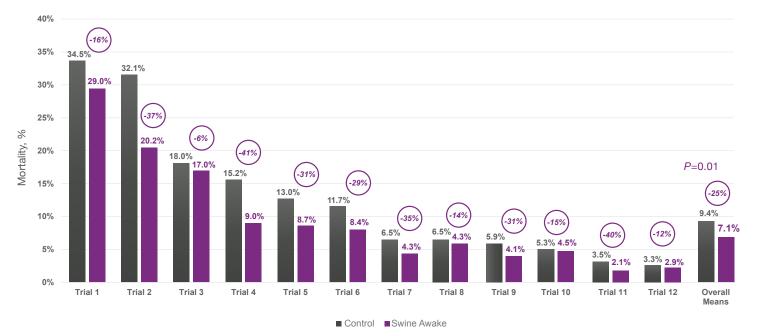


Applied ahead of viral challenges, Swine Awake's immune support increases the likelihood of improved pig livability, resulting in better productivity and an increase in marketable pigs.⁴

STUDY RESULTS³

Twelve studies completed in commercial production facilities were summarized to evaluate the effect of Swine Awake administered through water in PRRSv-positive pigs.

MORTALITY DIFFERENCES IN PIGS GIVEN SWINE AWAKE





EASE OF IMPLEMENTATION

- · Enables decision-making at the barn level
- Simple to introduce or remove from use

- targeted animals
- systems

Swine Awake is not intended to treat SRD or PRRS.

lowa State University. Porcine Reproductive and Respiratory Syndrome (PRRS). Available at: https://vetmed.iastate.edu/vdpam/FSVD/swine/index-diseases/porcine-reproductive. ²Elanco Animal Health. Data on File. ³Elanco Animal Health. Data on File.

⁴Bretey K, Song R, Chang P. Impact of NutriQuest Swine AwakeTM administration to weaned pigs on pig livability. 50th Annual Meeting of the American Association of Swine Veterinarians proceedings. 2019; 214-15.



Contains a source of live, viable naturally occurring microorganis Guaranteed Analysis

.. 2 x 10⁷ cfu/a Total bacteria count, minimum...

Ingredients Citric Acid, Dried Lactobacillus casei fermentation product, Dried Bacillus licheniformis fermentation product

Elanco[™]

Directions for Use Use 1 packet (28 g) per day to supplement the drinking water of 1,200 pigs. Add the entire content of the 1 packet into the recommended volume of stock solution. Use ONLY cool water for mixing. After emptying contents of packet, fill packet with water and pour contents into stock solution and additional cool water to desired volume. Use Swine Awake in the drinking water for 21 consecutive days.

Storage Keep refrigerated. Best used within 18 months of manufacturing date

Net Weight 28 g/packet, 21 packets per box

FL600359X



· Simple to introduce into new



Elanco Tylan[®] Injection

A TRUSTED PNEUMONIA SOLUTION

(tylosin injection)

than 30 years.



3

Есопсот Аногов	
Tylan [™] 200 Injection	5
Injection 200 mg per mL	
(tylosin injection)	
For Use In Cattle and Swine Only	A
The Original Tylan 200 Injection	
An Antibiotic For Cattle Diseases	→ Elan
Pneumonia	
Shipping Fever	
Metritis	
Diphtheria	in j
Foot Rot	J (ty
For Swine Diseases Pneumonia 	For 200
Mycoplasmal Arthritis	200 An
Dysentery	Indic Non-
• Erysipelas	Tylar in th



Tylan[®] Injection is a cost-effective treatment solution trusted for more

Tylan Injection is effective in the treatment of swine arthritis caused by Mycoplasma hyosynoviae; swine pneumonia caused by Pasteurella spp.; and swine erysipelas caused by Erysipelothrix rhusiopathiae.

Tylan Injection, along with good sanitation, can help limit overall herd disease transmission. Tylan Injection is an effective treatment of swine arthritis and swine dysentery when followed by appropriate water or feed medication.



Elanco

Tylan[®] Soluble

Tylosin tartrate

Tylan[®] Soluble effectively controls ileitis, a leading enteric disease in the U.S., by accumulating in the cells of the swine intestinal lining where the infection occurs.¹

Often associated with stressors, outbreaks are difficult to eliminate. Treatment after periods of stress and during outbreaks is necessary to control porcine proliferative enteropathy (PPE).

complete feed.

EFFECTIVE ILEITIS CONTROL



<section-header></section-header>			
	Tylan™ Soluble TM Tylosin Tartrate Quivalent to 100 g (3.53 oz) tylosin base AUTON: Federal (USA) law restricts this drug to be by or on the order of a licensed veterinarian. of oral use in chickens twickow service and the	YL101681X	Indications Indications Considerations for the control of motality caused by the control of motality caused by the rectific tentilis (NE) associated with constrainty disease. For the control of CRD associated with <i>Mycropasma</i> galasepaticum repeatent chickens. For the control of CRD associated with <i>Mycropasma</i> galasepaticum with <i>Mycropasma</i> galasepaticum the meet of concentation or of CRD associated with <i>Mycropasma</i> galasepaticum with <i>Mycropasma</i> galasepaticum with <i>Mycropasma</i> galasepaticum the meet of concentation or of CRD associated with <i>Bycropasma</i> and the meet of concentation or of CRD associated with <i>Mycropasma</i> galasepaticum with <i>Mycrobasma</i> galasepaticum <i>Mycrobasma</i> galasepa

Tylan Soluble, which is mixed into drinking water for swine, offers effective PPE-ileitis control when followed immediately by Tylan Type A Premix in

QUICK. EASY. EFFECTIVE.

The labels contain complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

PULMOTIL® AC IMPORTANT SAFETY INFORMATION:

Before using this product, it is important to read the entire product insert, including the boxed human warning.

WARNING: Exposure to tilmicosin in humans has been associated with chest pain, increased heart rate, dizziness, headache, and nausea. Death has been reported following ingestion or injection of tilmicosin. Avoid direct skin and eye contact. In case of human exposure, call 1-800-722-0987 and consult a physician immediately.

Wear overalls, impervious gloves and eye protection when mixing and handling the product. Wash hands after handling the product. Wash affected parts if skin contact occurs. If accidental eye contact occurs, immediately rinse thoroughly with water.

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

- For use only in swine. Not for injection. Injection of tilmicosin has been shown to be fatal in swine and non-human primates, and may be fatal in horses and goats.
- Swine intended for human consumption must not be slaughtered within 7 days of treatment.
- Always treat the fewest number of animals necessary to control a respiratory disease outbreak. Prescriptions shall not be refilled.
- Concurrent use of Pulmotil AC and another macrolide by any route, or use of another macrolide immediately following this use of Pulmotil AC is not advised.

Ensure that pigs have continuous access to medicated water during the treatment period. Monitor pigs for signs of water refusal and dehydration while being treated.

INCREXXA® IMPORTANT SAFETY INFORMATION:

CAUTION: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

- WARNINGS: FOR USE IN ANIMALS ONLY. NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR USE IN CHICKENS
 OR TURKEYS.
- Swine intended for human consumption must not be slaughtered within 5 days from the last treatment.
- The effects of Increxxa on porcine reproductive performance, pregnancy, and lactation have not been determined.
- · Intramuscular injection can cause a transient local tissue reaction that may result in trim loss of edible tissue at slaughter.
- Store below 25°C (77°F), with excursions up to 40°C (104°F).
- 100 mL: Use within 2 months of first puncture and puncture a maximum of 67 times. If more than 67 punctures are anticipated, the use
 of multi-dosing equipment is recommended. When using a draw-off spike or needle with bore diameter larger than 16 gauge, discard any
 product remaining in the vial immediately after use.
- 250 mL and 500 mL: Use within 2 months of first puncture and puncture a maximum of 100 times. If more than 100 punctures are
 anticipated, the use of multi-dosing equipment is recommended. When using a draw-off spike or needle with bore diameter larger than 16
 gauge, discard any product remaining in the vial immediately after use.

TYLAN® INJECTION IMPORTANT SAFETY INFORMATION

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

WARNING: NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.

- Adverse reactions, including shock and death may result from overdosage in baby pigs. Do not attempt injection into pigs weighing less than 25 lbs (0.5 mL) with the common syringe. It is recommended that Tylan 50 Injection be used in pigs weighing less than 25 lbs.
 Do not administer to horses or other equines. Injection of tylosin in equines has been fatal.
- Do not administer to noises of other equines, injection of tylosin in equines has been rata.
- Swine intended for human consumption must not be slaughtered within 14 days of the last use of this drug product.
- If tylosin medicated drinking water is used as a follow-up treatment for swine dysentery, the animal should thereafter receive feed containing 40 to 100 grams of tylosin per ton for 2 weeks to assure depletion of tissue residues.

TYLAN® SOLUBLE IMPORTANT SAFETY INFORMATION:

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

WARNING: NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin. Exposure to tylosin may cause a rash. • Swine must not be slaughtered for food within **48 hours** after treatment.

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1-800-428-4441





Scan for the complete label